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<110> Zengen, Inc.

<120> Modified Alpha-MSH Peptides and Derviatives Thereof

<130> 54275.8016.US01

<140> 10/714,343

<141> 2003-11-14

<160> 46

<170> PatentIn version 3.1

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His Phe Arg Trp Gly Lys Xaa Val

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His Xaa Phe Trp Gly Lys Pro Val

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<223> Xaa is an amino acid other than val having a non-polar functional group or a hydrophobic functional group.

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His Phe Arg Trp Gly Lys Pro Xaa
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<223> X is an aa with positively charged fuctionnal group.

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<223> Xaa at 2 is DPhe or DNal; Xaa at 7 is an amino acid with an uncharged polar functional group.

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His Xaa Arg Trp Gly Lys Xaa Val

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Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val

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 <213> Homo sapiens

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Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val Gly Lys Lys
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Arg Arg Pro Val Lys Val Tyr Pro Ala Lys Glu Asp Asp Glu Ala Ser
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Glu Ala Phe Pro Leu Glu Phe
 35

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Lys Pro Val

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His Phe Arg Trp Gly Ala Pro Val
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His Xaa Arg Trp Gly Lys Ala Val
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<222> (2)..(7)

<223> Xaa is DNal; Ala is DAla

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His Phe Arg Trp Gly Lys Phe Val
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His Xaa Arg Trp Gly Lys Asp Val

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